

# T E N N E S S E E CAREERS<sup>®</sup>



## Career Cluster Guide

2008-2009



# Four Steps to Career Success

## About the Transportation, Distribution & Logistics Career Cluster

Careers in the Transportation, Distribution & Logistics Career Cluster encompass planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services, such as transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance.

## GET STARTED TODAY!

**1**

### **Assess Yourself**

Identify your strengths. Then compare them with job expectations in favorite fields.

**2**

### **Check the Labor Market**

See how a specific occupation fares in Tennessee. Turn to pages 4-7.

**3**

### **Find Schools and Educational Programs**

Find information on education, training, financial aid, and licensing. See pages 8-11.

**4**

### **Find Employers and Job Openings**

Check out the Web sites below or visit your local career centers to find out about opportunities in Tennessee.

## Free Online Resources to Explore Careers

Tennessee Career Information Delivery System (TCIDS): <http://tcids.tbr.edu/>

KUDER Tennessee College and Career Planning System prepared by edamerica:

<http://www.planningyourdreams.org/>

Tennessee Department of Labor and Workforce Development:

Education, Wages, Jobs and More: <http://www.sourcetn.org>

Youth pages: <http://state.tn.us/labor-wfd/youth>

Career Center locations: <http://www.state.tn.us/labor-wfd/cc/>

Tennessee Department of Education, Career and Technical Education: <http://www.tennessee.gov/education/cte/>

Online Tennessee Board of Regents ROCC Virtual Career Center: <http://careers.rodop.org/>

College for TN, powered by xap: <http://www.collegefortn.org/>

SECONDARY PROGRAMS OF STUDY*	Specific Occupations
<b>Automotive Technology</b>	<ul style="list-style-type: none"> <li>• Automotive Service Technicians and Mechanics</li> <li>• Recreational Vehicle Service Technicians</li> <li>• Tire Repairers and Changers</li> </ul>
<b>Aviation Flight</b>	<ul style="list-style-type: none"> <li>• Air Traffic Controllers</li> <li>• Aircraft Cargo Handling Supervisors</li> <li>• Airline Pilots, Copilots, and Flight Engineers</li> <li>• Commercial Pilots</li> </ul>
<b>Aviation Maintenance</b>	<ul style="list-style-type: none"> <li>• Aerospace Engineering and Operations Technicians</li> <li>• Aircraft Mechanics and Service Technicians</li> <li>• Aircraft Structure, Surfaces, Rigging, and Systems Assemblers</li> <li>• Avionics Technicians</li> </ul>
<b>Collision Repair Technology</b>	<ul style="list-style-type: none"> <li>• Automotive Body and Related Repairers</li> <li>• Automotive Glass Installers and Repairers</li> <li>• Mobile Heavy Equipment Mechanics, Except Engines</li> <li>• Rail Car Repairers</li> </ul>
<b>Diesel Technology</b>	<ul style="list-style-type: none"> <li>• Bus and Truck Mechanics and Diesel Engine Specialists</li> </ul>
<b>Leisure Craft/Small Engine Technology</b>	<ul style="list-style-type: none"> <li>• Motorboat Mechanics</li> <li>• Motorcycle Mechanics</li> <li>• Outdoor Power Equipment and Other Small Engine Mechanics</li> </ul>



**Tennessee**  
**Programs of Study**  
[\\*http://pathways.tbr.edu](http://pathways.tbr.edu)



# Transportation, Distribution & Logistics Jobs in Tennessee

Title	Basic Description	Projected Total 2014 Employment	
Source: See footnote #2.	Source: See footnote #2.	Source: See footnote #1.	
<b>Aerospace Engineering and Operations Technicians</b>	Operate, install, calibrate, and maintain integrated computer and communications systems consoles, simulators, and equipment to launch, track, position, and evaluate air and space vehicles.	<b>440</b>	
<b>Aircraft Mechanics and Service Technicians</b>	Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Includes helicopter and aircraft engine specialists.	<b>3,560</b>	
<b>Aircraft Structure, Surfaces, Rigging, and Systems Assemblers</b>	Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabilizers, landing gear, or rigging and control equipment.	<b>370</b>	
<b>Automotive Glass Installers and Repairers</b>	Replace or repair broken windshields and window glass in motor vehicles.	<b>850</b>	
<b>Automotive Service Technicians and Mechanics</b>	Diagnose, adjust, repair, or overhaul automotive vehicles.	<b>18,150</b>	
<b>Avionics Technicians</b>	Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicles.	<b>450</b>	
<b>Bus and Truck Mechanics and Diesel Engine Specialists</b>	Diagnose, adjust, repair, or overhaul trucks, buses, and all types of diesel engines. Includes mechanics working primarily with automobile diesel engines.	<b>8,540</b>	

1. Estimated wage and employment data are from the Tennessee Department of Labor and Workforce Development, Employment Security Research and Statistics Division ([www.sourcectn.org](http://www.sourcectn.org)).
2. Job titles and common descriptions are from the Bureau of Labor Statistics, U.S. Department of Labor, Standard Occupational Classification System (<http://www.bls.gov/soc>).



# High Skill - High Wage - In Demand

Projected Number of New Jobs, 2004-2014	Annual Median Wage	Most Common Education/Training	Suggested Programs of Study	High Skill	High Wage	In Demand
Source: See footnote #1.		Source: See footnote #1.		Source: See footnote #1.		
130	\$66,338	Associate Degree	Aeronautical and Aerospace Engineering Technologist/Technician	●	●	
830	\$55,518	Postsecondary career/technical education	Aircraft Mechanic/Technician, Airframe; Aircraft Mechanic/Technician, Powerplant	●	●	
60	\$36,055	Long-term on-the-job training	Aircraft Mechanic/Technician, Airframe; Aircraft Mechanic/Technician, Powerplant; Aviation Systems and Avionics Main Technologist/Technician	●	●	
160	\$34,021	Long-term on-the-job training	Auto/Automotive Body Repairer	●	●	
3,560	\$29,619	Postsecondary career/technical education	Auto/Automotive Mechanic/Technician; Automotive Engineering Technologist/Technician	●		●
60	\$43,405	Postsecondary career/technical education	Aircraft Mechanic/Technician, Airframe; Aviation Systems and Avionics Main Technologist/Technician	●	●	
1,470	\$34,611	Postsecondary career/technical education	Diesel Engine Mechanic and Repairer; Vehicle and Mobile Equipment Mechanics and Repairers, Other	●	●	●

3. The suggested programs of study are postsecondary programs.

For updated career information go to  
<http://www.sourceten.org>.

# Transportation, Distribution & Logistics Jobs in Tennessee

Title	Basic Description	Projected Total 2014 Employment	
Source: See footnote #2.	Source: See footnote #2.	Source: See footnote #1.	
<b>First-Line Supervisors/Managers of Transportation</b>	Directly supervise and coordinate activities of transportation and material-moving machine and vehicle operators and helpers.	<b>6,890</b>	
<b>Mobile Heavy Equipment Mechanics, Except Engines</b>	Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment (cranes, bulldozers, and graders) used in construction, logging, and surface mining.	<b>3,490</b>	
<b>Motorboat Mechanics</b>	Repair and adjust electrical and mechanical equipment of gasoline- or diesel-powered inboard or inboard-outboard boat engines.	<b>380</b>	
<b>Rail Car Repairers</b>	Diagnose, adjust, repair, or overhaul railroad rolling stock, mine cars, or mass transit rail cars.	<b>390</b>	
<b>Transportation, Storage, and Distribution Managers</b>	Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with governmental policies and regulations. Includes logistics managers.	<b>3,290</b>	
<b>Truck Drivers, Heavy and Tractor-Trailer</b>	Drive a tractor-trailer combination, or a truck with a capacity of at least 26,000 GVW, to transport and deliver goods, livestock, or materials in liquid, loose, or packaged form.	<b>83,750</b>	

1. Estimated wage and employment data are from the Tennessee Department of Labor and Workforce Development, Employment Security Research and Statistics Division ([www.sourcectn.org](http://www.sourcectn.org)).

2. Job titles and common descriptions are from the Bureau of Labor Statistics, U.S. Department of Labor, Standard Occupational Classification System (<http://www.bls.gov/soc>).



# High Skill - High Wage - In Demand

Projected Number of New Jobs, 2004-2014	Annual Median Wage	Most Common Education/Training	Suggested Programs of Study	High Skill	High Wage	In Demand
Source: See footnote #1.		Source: See footnote #1.		Source: See footnote #1.		
1,410	\$43,271	Work experience in a related occupation	Logistics and Materials Management	●	●	
550	\$33,426	Postsecondary career/technical education	Heavy Equipment Maintenance and Repair	●	●	●
70	\$26,196	Long-term on-the-job training	Small Engine Mechanic and Repairer	●		●
-10	\$43,631	Long-term on-the-job training	Heavy Equipment Maintenance and Repair	●	●	
530	\$61,961	Work experience in a related occupation	Aviation Management; Logistics and Materials Management	●	●	
10,690	\$34,963	Moderate-term on-the-job training	Truck, Bus and Other Commercial Vehicle Operator		●	●

3. The suggested programs of study are postsecondary programs.

For updated career information go to  
<http://www.sourcetn.org>.

# PROGRAMS OF STUDY

## TENNESSEE TECHNOLOGY CENTERS, COLLEGES & UNIVERSITIES

### TRANSPORTATION, DISTRIBUTION & LOGISTICS MAJORS

Dyersburg State Community College  
[www.dscc.cc.tn.us](http://www.dscc.cc.tn.us)

Middle Tennessee State University  
[www.mtsu.edu](http://www.mtsu.edu)

Nashville State Community College  
[www.nsccl.edu](http://www.nsccl.edu)

Northeast State Technical Community College  
[www.nstcc.cc.tn.us](http://www.nstcc.cc.tn.us)

Southwest Tennessee Community College  
[www.southwest.tn.edu/](http://www.southwest.tn.edu/)

Tennessee Technology Center at Athens  
[www.athens.tec.tn.us/](http://www.athens.tec.tn.us/)

Tennessee Technology Center at Chattanooga  
[www.chattanooga.state.edu](http://www.chattanooga.state.edu)

Tennessee Technology Center at Covington  
[www.covington.tec.tn.us/](http://www.covington.tec.tn.us/)

Tennessee Technology Center at Crossville  
[www.crossville.tec.tn.us/](http://www.crossville.tec.tn.us/)

Tennessee Technology Center at Crump  
[www.crump.tec.tn.us/](http://www.crump.tec.tn.us/)

Tennessee Technology Center at Dickson  
[www.dickson.tec.tn.us/](http://www.dickson.tec.tn.us/)

Aeronautical and Aerospace  
Engineering Technologist/Technician

Aircraft Mechanic/Technician,  
Powerplant

Auto/Automotive Body Repairer

Auto/Automotive Mechanic/Technician

Aviation and Airway Science

Aviation Management

Diesel Engine Mechanic  
and Repairer

Engine Machinist

Heavy Equipment Maintenance  
and Repairer

Logistics and Materials Management

Small Engine Mechanic  
and Repairer

Systems Science and Theory

Transportation/Transportation  
Management

Truck, Bus and Other Commercial  
Vehicle Operator

A

A

A

C

C

C

C

C

C

B

M

C

C

C

C

C

C

C

C

C

C = Postsecondary Awards/Certificates/Diplomas  
A = Associate Degree  
B = Bachelor's Degree

M = Master's Degree  
D = Doctoral Degree

This chart was based upon the best available information and is intended only to serve as a general guide for educational opportunities. Department names for programs vary among schools. Refer to related cluster booklets for other possible programs. Community Colleges ([www.tbr.state.tn.us/campuses.htm](http://www.tbr.state.tn.us/campuses.htm)) offer University Parallel Programs, which may also offer opportunities for study in this field. Contact the schools' academic departments or your school advisor for current programs and degrees: [www.tbr.state.tn.us/campuses.htm](http://www.tbr.state.tn.us/campuses.htm) and <http://www.tennessee.edu/>.

For financial aid information, go to the Tennessee Student Assistance Corporation, [http://Tennessee.gov/tsac/about\\_us.htm](http://Tennessee.gov/tsac/about_us.htm), or The Source, [www.sourcetn.org](http://www.sourcetn.org) (Services for Individuals, Education Services, Financial Aid).





# PROGRAMS OF STUDY

## TENNESSEE TECHNOLOGY CENTERS, COLLEGES & UNIVERSITIES

### TRANSPORTATION, DISTRIBUTION & LOGISTICS MAJORS

	Tennessee Technology Center at Newbern www.newbern.tec.tn.us/	Tennessee Technology Center at Oneida/Huntsville www.huntsville.tec.tn.us/	Tennessee Technology Center at Paris www.paris.tec.tn.us/	Tennessee Technology Center at Pulaski www.pulaski.tec.tn.us/	Tennessee Technology Center at Ripley www.ripley.tec.tn.us/	Tennessee Technology Center at Shelbyville www.shelbyville.tec.tn.us/	Tennessee Technology Center at Whiteville www.whiteville.tec.tn.us/	Tennessee State University www.tnstate.edu	The University of Memphis www.memphis.edu	University of Tennessee at Knoxville www.utk.edu	Volunteer State Community College www.vscoc.cc.tn.us
Aeronautical and Aerospace Engineering Technologist/Technician								B			
Aircraft Mechanic/Technician, Powerplant											
Auto/Automotive Body Repairer		C	C			C					
Auto/Automotive Mechanic/Technician	C	C		C	C	C	C				
Aviation and Airway Science											
Aviation Management											
Diesel Engine Mechanic and Repairer											
Engine Machinist											
Heavy Equipment Maintenance and Repairer			C								
Logistics and Materials Management									B	B	C
Small Engine Mechanic and Repairer											
Systems Science and Theory										M	
Transportation/Transportation Management											
Truck, Bus and Other Commercial Vehicle Operator					C	C					

C = Postsecondary Awards/Certificates/Diplomas  
A = Associate Degree  
B = Bachelor's Degree


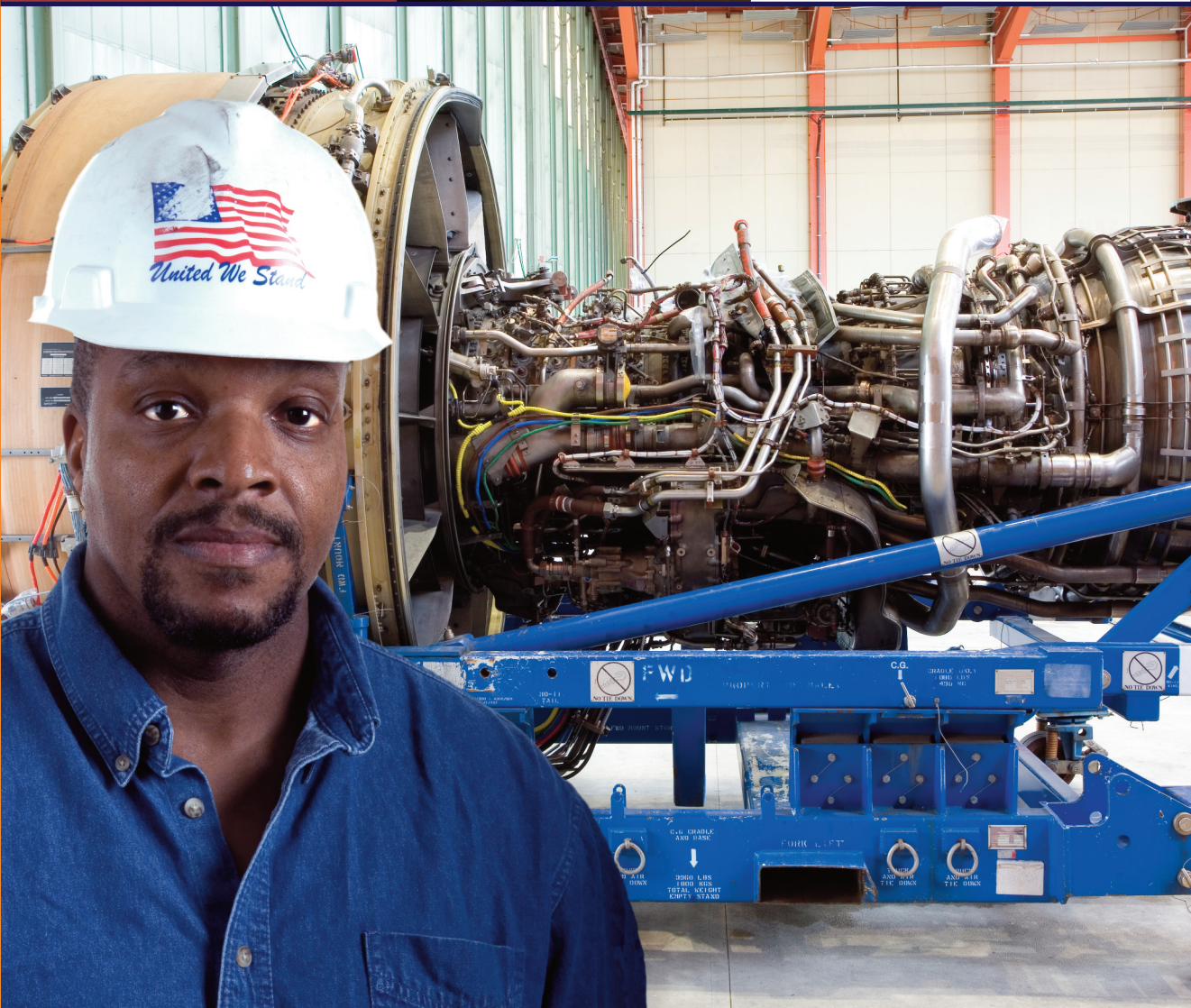
M = Master's Degree  
D = Doctoral Degree

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For financial aid information, go to the Tennessee Student Assistance Corporation, [http://Tennessee.gov/tsac/about\\_us.htm](http://Tennessee.gov/tsac/about_us.htm), or The Source, [www.sourcetn.org](http://www.sourcetn.org) (Services for Individuals, Education Services, Financial Aid).



# Tennessee Licensed Occupations

Job Titles and Licenses	Contacts
<p data-bbox="163 368 519 621">Bus Drivers, Transit and Intercity Truck Drivers, Heavy and Tractor-Trailer Truck Drivers, Light or Delivery Services Taxi Drivers and Chauffeurs Commercial Driver</p> 	<p data-bbox="992 416 1409 576">Division of Driver License Issuance Department of Safety 1150 Foster Ave. Nashville, TN 37249 (615) 253-5221</p>
	





# Discover your talents

Tennessee Career Information Delivery System (TCIDS): <http://tcids.tbr.edu/>  
The Source: <http://www.sourcetn.org>

## Notice

The Tennessee Career Cluster Guides and accompanying Planning Guide are publications of the Tennessee Department of Education. Information contained herein is provided as a public service. While every attempt has been made to provide accurate information, there is no guarantee of the completeness or accuracy of the information provided. There is no promise or warranty that the agencies involved will continue to provide or update information. This service may be suspended or discontinued at any time. The user assumes the responsibility of verifying any information used or relied upon.

**For more information on Career clusters:**  
<http://www.tennessee.gov/education/cte>

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Office for Civil Rights  
Tennessee Department of Education  
710 James Robertson Parkway, 6th Floor  
Nashville, TN 37243-0383  
Tel. (615) 253-1550



**States' Career Clusters Initiative**  
[www.careerclusters.org](http://www.careerclusters.org)

